



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 21 76 71 09

Classification of the application (IPC):

H04R 1/10, H04W 4/80, H04M 1/60, H04R 3/00, G10H 1/36, H04R 3/12,
G10L 21/0208, G06F 3/16

Technical fields searched (IPC):

H04R, H04M, H04S

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X Y A	CN 110460931 A (SHENZHEN BRANCH COMPANY HUNAN VOC ACOUSTIC TECH CO LTD ET AL.) 15 November 2019 (2019-11-15) * paragraph [0041] - paragraph [0056]; figures 1, 2 *	1-5, 13-15 6-8, 11, 12 9, 10
X Y	CN 108111952 A (SHANGHAI ZHANYANG COMM TECH CO LTD) 01 June 2018 (2018-06-01) * paragraph [0073] - paragraph [0093]; figures 2, 3 *	1 6-8
Y	CN 106028208 A (BEIJING SAIBIN SCIENCE & TECH CO LTD) 12 October 2016 (2016-10-12) * paragraph [0018] - paragraph [0024]; figures 1, 2 *	11, 12

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search Munich	Date of completion of the search 15 June 2023	Examiner Joder, Cyril
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CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone	P: intermediate document
Y: particularly relevant if combined with another document of the same category	T: theory or principle underlying the invention
A: technological background	E: earlier patent document, but published on, or after the filing date
O: non-written disclosure	D: document cited in the application
& : member of the same patent family, corresponding document	L: document cited for other reasons

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ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 15-06-2023
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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
CN 110460931	A	15-11-2019	NONE	
CN 108111952	A	01-06-2018	NONE	
CN 106028208	A	12-10-2016	NONE	